We claim:

1. A support device for an optical subassembly, providing control of the orientation of said optical subassembly, comprising:

a housing having an inside for supporting said optical subassembly;
one or more pads mounted on the inside of said housing;
the inside of said housing being adapted to support the underside of said
pads;

the topside of said pads being adapted to support said subassembly.

- 2. The support device of claim 1 wherein said pads control the vertical position of the subassembly.
- 3. The support device of claim 1 wherein said pads are spaced around the inside of said housing so as to provide support for the corners of the subassembly.
- 4. The support device of claim 1 wherein the spaces between said pads form grooves along the inside of said housing.
- 5. The support device of claim 4 wherein said grooves are adapted to receive solder material, or epoxy, or a combination of solder material and epoxy.
- 6. The support device of claim 5 wherein the volume of solder material, or epoxy, or combined solder material and epoxy does not exceed the volume of the grooves formed by said pads.
- 7. A device for improving the laser power distribution of a laser emitter package comprising:

an optical subassembly;

a housing having an inside for supporting said optical subassembly;

said optical subassembly having footpads attached to a bottom thereof; said optical subassembly and said footpads being adapted to fit inside said housing and to rest on an inside floor of said housing; the footpads being at spaced separation from one another and the spaces between the said footpads being adapted to receive solder.

- 8. The device of claim 7 wherein said footpads raise said optical assembly above the inside floor of said housing.
- 9. The device of claim 7 wherein said footpads control the vertical position of the optical assembly.
- 10. The device of claim 8 wherein the spaces between said footpads form grooves along the inside floor of said housing.
- 11. The device of claim 10 wherein the grooves are adapted to receive solder material.
- 12. The device of claim 11 wherein the volume of said solder material does not exceed the volume of the grooves formed by said footpads.
 - 13. A method for minimizing optical subassembly tilt error including:

 forming at least one groove in a housing for the subassembly;

 predetermining a volume of solder to be placed into the groove by

 making the solder into a block form;

 making a volume of the block equal to a volume of the groove;

 making a vertical height of the block higher than a vertical height of the groove;

placing the predetermined volume of solder into said groove;

placing said subassembly on top of the block of solder with a downward force against the solder; and

applying heat to a bottom of the housing to liquefy the solder.

- 14. The method of claim 13 wherein the downward force applied to the solder is sufficiently large to break the oxidation layer in the surface of the solder.
- 15. The method of claim 13 wherein the heat applied the bottom of the housing is higher than the melting point of the solder.
- 16. The method of claim 13 wherein the surface of the groove and the bottom of the subassembly are plated with gold.